

## CLIMATOLOGICAL DATA

35

## TENNESSEE SECTION

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## GENERAL SUMMARY

June, 1934, was the warmest June since 1925, and the fifth warmest since the beginning of the records in 1883. Daily temperature departures were not large, but almost entirely positive. The highest temperatures occurred during the last week of the month.

Frequent showers relieved the spring drought, although precipitation was below the average in many of the extreme eastern counties; there was an excess elsewhere. The numerous local thunderstorms were accompanied by the usual heavy rains and local damage. Destructive hail fell at Erwin, on the first. On the 28th, a severe hailstorm occurred in Union and Grainger counties covering an area of 180 square miles. Stones were from one inch in diameter to the size of a small hen egg. The destruction to crops in this area ranged from 25 per cent to almost a complete loss with an estimated value of about \$12,000. A man was killed by lightning at Lebanon, on the 29th.

On the 17th, a small tropical disturbance, accompanied by wind and excessive rain, which had been advancing for days across the Gulf of Mexico entered the State along the Alabama line between the 88th and 90th meridians, continuing northeastward to the Kentucky border north of Nashville. The path of this storm can be traced by constructing a chart of the precipitation which fell during the evening of the 17th, and the early morning of the 18th. Cedar Hill, Robertson County, received the heaviest rain (10 inches in 14 hours) this being the heaviest June rain on record for Tennessee. A small tornado, approximately fifty yards in width, moving in a northwesterly direction, occurred in connection with this storm at about five p.m. on the 17th. It struck a sparsely settled area north of Joelton near the Davidson-Robertson County line. The damage to a few farm buildings was small, approximately \$3,000. It is estimated that the excessive rains in the Red River Valley did about \$150,000 damage to crops, and \$100,000 damage to roads, bridges, etc. However, a large portion of the central counties of the State were in need of rain at the time, and therefore it is probable, when the entire area is taken into consideration, that the precipitation resulting from this tropical cyclone did more good than harm to the people of Tennessee.

F.V.J.

## TEMPERATURE

The monthly mean for the State, 47 stations reporting, was  $77.5^{\circ}$ , or  $2.8^{\circ}$  above the average for the last 52 years. The highest monthly mean was  $81.4^{\circ}$ , at Perryville and Tiptonville; the lowest,  $70.2^{\circ}$ , at Elkmont. The highest temperature recorded was  $103^{\circ}$ , at Loudon on the 28th, and at Kingsport on the 26th, 28th, 29th; the lowest,  $39^{\circ}$ , at Erwin on the 1st. The greatest daily range was  $43^{\circ}$  at Kingsport on the 15th.

## PRECIPITATION

The monthly average for the State, 68 stations reporting, was 5.25 inches, or 1.01 inches more than the average for the last 52 years. The greatest monthly amount was 12.08 inches, at Cedar Hill; the least, 1.57 inches, at Tiptonville. The greatest amount in 24 consecutive hours was 10.00 inches, at Cedar Hill on the 17th-18th. The average number of days with .01 inch or more of precipitation was 10.

## RIVERS

Mean monthly river stages averaged below normal for the month of June.

## DATES OF MISCELLANEOUS PHENOMENA

*Fog, dense:* Coldwater, 14; Cookeville, 25; Greeneville, 7; Jackson, 6; Knoxville, 2, 7, 20. *Hail, Heavy:* Erwin, 1; Greeneville, 1. *Hail, light:* Coldwater, 29; Lewisburg, 1; Palmetto, 12. *Halos, lunar:* Knoxville, 24; Memphis, 29. *Halos, solar:* Memphis, 12; Nashville, 10. *Thunderstorms:* (two or more places) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 17, 18, 21, 23, 24, 25, 27, 28, 29, 30.

## PRESSURE, WIND, HUMIDITY, AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind			Relative humidity			Percentage of sunshine	
	Mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7 a. m.	12 noon	7 p. m.	
Chattanooga	29.95	30.16	8	29.61	18	6.5	32	e.	30	75	52	62	69
Knoxville ...	29.95	30.15	28	29.61	18	5.2	21	w.	12	79	52	62	72
Memphis ...	29.92	30.13	29	29.68	15	6.5	25	n.	10	74	55	56	79
Nashville ...	29.95	30.15	28	29.57	17	7.2	39	nw.	9	80	50	57	73

## COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation			Number of days			Precip. 01 in. or more	Clear	Partly cloudy	Cloudy
	Mean	Departure	Highest	Average	Departure	Greatest monthly	Least monthly	Average snowfall	Precip. 01 in. or more	Clear	Partly cloudy	Cloudy	
1883.....	73.0	-1.7	97	47	4.77	+0.53	8.32	1.29	0	10	8	11	11
1884.....	72.0	-2.7	95	47	5.30	+1.05	10.57	2.06	0	13	7	9	14
1885.....	74.6	-0.1	98	52	4.19	-0.05	6.98	0.98	0	10	10	11	9
1886.....	71.5	-3.2	93	48	7.24	+3.00	12.20	4.14	0	16	6	10	14
1887.....	73.4	-1.3	100	45	2.77	-1.47	5.30	1.04	0	9	14	10	6
1888.....	73.4	-1.3	100	36	4.23	-0.01	8.00	2.10	0	10	10	11	9
1889.....	71.5	-3.2	95	37	5.58	+1.29	9.03	2.28	0	13	8	11	11
1890.....	77.8	+3.1	102	56	3.45	-0.79	8.36	0.69	0	8	13	12	5
1891.....	76.3	+1.6	100	55	5.08	+0.84	9.85	1.20	0	11	11	10	9
1892.....	75.8	+1.1	99	41	4.87	+0.63	8.32	2.19	0	10	13	10	7
1893.....	73.5	-1.2	98	50	3.84	-0.40	6.66	1.30	0	8	13	10	7
1894.....	75.1	+0.4	100	35	2.40	-1.84	6.28	0.30	0	6	18	8	4
1895.....	75.3	+0.6	102	46	2.62	-1.62	5.69	0.70	0	6	15	10	5
1896.....	74.0	-0.7	99	48	4.54	+0.30	8.85	1.63	0	9	11	13	6
1897.....	75.4	+0.7	103	38	2.94	-1.30	7.39	0.78	0	8	13	14	3
1898.....	76.7	+2.2	102	44	3.70	-0.54	7.02	1.41	0	9	14	11	5
1899.....	76.6	+1.9	102	36	2.71	-1.53	6.14	0.12	0	7	13	11	7
1900.....	74.1	-0.6	95	40	9.84	+5.60	17.93	2.26	0	17	5	10	15
1901.....	76.3	+1.6	105	39	3.11	-1.13	8.40	0.19	0	7	15	11	4
1902.....	75.3	+0.6	103	38	4.52	+0.28	10.08	1.33	0	8	13	11	6
1903.....	68.9	-5.8	98	32	3.95	-0.29	2.93	0.58	0	9	12	11	7
1904.....	74.0	-0.7	98	42	3.70	-0.54	7.19	1.46	0	10	12	13	5
1905.....	75.7	+1.0	100	40	5.94	+1.70	12.09	2.40	0	11	12	11	7
1906.....	75.0	+0.3	101	41	3.88	-0.86	9.45	1.03	0	9	13	10	7
1907.....	71.9	-2.8	96	37	4.06	-0.18	9.62	1.08	0	10	12	11	7
1908.....	74.4	-0.3	101	38	4.50	+0.26	8.70	0.89	0	8	14	10	6
1909.....	75.6	+0.9	99	43	5.44	+1.20	13.83	1.78	0	18	8	18	9
1910.....	71.2	-3.5	97	36	5.19	-0.95	10.28	2.21	0	11	10	12	8
1911.....	77.4	+2.7	105	42	3.77	-0.47	8.20	1.59	0	8	16	12	8
1912.....	71.5	-3.2	95	38	4.26	+0.02	7.82	2.23	0	11	12	9	9
1913.....	75.8	+1.1	104	36	2.53	-1.71	5.99	0.36	0	6	18	8	4
1914.....	80.4	+5.7	108	45	2.53	-1.71	7.62	T.	0	6	17	10	3
1915.....	73.6	-1.1	100	40	3.77	-0.47	12.75	0.70	0	10	12	6	6
1916.....	72.5	-2.2	99	42	5.60	+1.36	9.50	1.76	0	10	12	12	6
1917.....	72.4	-2.3	100	34	4.87	-0.63	8.08	1.80	0	10	14	11	5
1918.....	75.8	+1.1	105	40	4.84	+1.10	7.72	1.75	0	8	15	10	5
1919.....	76.6	+1.9	98	49	4.03	-0.21	9.32	0.96	0	9	11	13	6
1920.....	73.1	-1.6	98	41	4.65	+0.41	7.45	1.59	0	8	16	7	7
1921.....	78.2	+3.5	100	44	2.86	-1.38	7.88	0.44	0	8	11	13	6
1922.....	75.8	+1.1	101	38	4.12	-0.12	7.60	1.19	0	11	12	11	7
1923.....	74.4	-0.3	99	43	4.17	-0.07	7.12	1.68	0	10	12	12	6
1924.....	75.9	+1.2	101	41	3.42	-0.82	6.72	0.91	0	10	12	13	5
1925.....	78.5	+3.8	104	47	2.72	-1.62	6.95	0.35	0	7	17	10	3
1926.....	73.2	-1.5	99	39	4.64	+0.40	9.28	1.44	0	10	14	10	6
1927.....	73.2	-1.5	100	44	4.94	+0.70	10.13	2.95	0	12	11	10	9
1928.....	71.8	-2.7	96	39	10.18	+5.94	18.67	3.96	0	18	6	11	13
1929.....	73.9	-0.8	98	38	4.62	+0.38	9.59	1.60	0	10	15	10	5
1930.....	74.3	-0.4	105	38	1.42	-2.82	8.35	0.06	0	5	19	9	2
1931.....	76.8	+2.1	106	34	1.86	-2.38	5.30	0.08	0	5	18	10	2
1932.....	76.7	+2.0	101	46	4.27	+0.03	11.34	1.08	0	11	12	11	7
1933.....	76.0	+1.3	105	36	1.79	-2.46	4.51	0.28	0	5	19	8	3
1934.....	77.5	+2.8	103	39	5.25	+1.01	12.08	1.57	0	10	15	9	6
Period .....	74.7	.....	108	32	4.24	.....	18.67	T.	0	10	12	11	7

## Climatological Data for June, 1934

Stations	Counties	Elevation, feet	Length of record, years	Temperature in degrees Fahr.				Precipitation, in inches				Number of days			Observers				
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall, inches	Precipitation, 0.1 inch or more	Pt. cloudy	Cloudy	Prevailing direction of wind	
<i>Eastern Division</i>																			
Bluff City . . . . .	Sullivan . . . . .	1,410	39							2.05	-2.82	0.37	0	10	...	...	...	M. S. Harmon.	
Charleston . . . . .	Bradley . . . . .	709	51							8.11	+3.01	1.91	0	12	...	...	...	Mrs. Lula E. Weeks.	
Chattanooga . . . . .	Hamilton . . . . .	908	56	78.8 + 3.4	100	26	60	2	30	6.19	+2.03	1.96	0	15	10	12	8	U.S. Weather Bureau	
Clinton . . . . .	Anderson . . . . .	800	51							4.03	-1.19	1.05	0	10	...	...	...	J. M. Gamble.	
Copperhill . . . . .	Polk . . . . .	1,624	21	74.6 + 4.6	96	25	53	14	35	7.01	+2.68	2.41	0	14	16	9	5	Tennessee Copper Co.	
Dandridge . . . . .	Jefferson . . . . .	1,050	30							5.53	+0.29	1.70	0	14	14	12	16	F. R. Moreland.	
Decatur . . . . .	Meigs . . . . .	850	40	77.5 + 2.9	102	27	56	14	38	2.11	-2.59	0.69	0	12	12	16	2	J. W. Lillard.	
Elizabethton . . . . .	Carter . . . . .	1,575	44							3.03	-1.99	0.70	0	12	12	16	2	C. H. Hyder.	
Elkmont <sup>††</sup> . . . . .	Sevier . . . . .	2,146	9	70.2		92	29	49	6	85	6.39		1.25	0	12	9	18	3	Wesley Ogle.
Embreeville . . . . .	Washington . . . . .	1,591	8							2.04		0.62	0	8	22	4	4	...	...
Erwin . . . . .	Unicoi . . . . .	1,684	7	70.8		92	25	39	1	41	3.49		0.90	0	14	23	6	1	E. G. Robbins.
Etowah . . . . .	McMinn . . . . .	850	9	78.5		102	27	56	21	40	4.31		1.80	0	11	21	6	3	D. W. Lillard.
Gatlinburg (near) . . . . .	Sevier . . . . .	1,500	8	78.6		97	27	50	14	38	6.49		1.35	0	14	19	4	7	L. T. Davenport.
Greeneville (near) . . . . .	Greene . . . . .	1,630	9	75.0 + 3.0	98	26	54	14	36	4.17	+0.27	1.10	0	13	9	15	6	U. S. Bureau Plant Industry.	
Kingsport . . . . .	Sullivan . . . . .	1,270	13	78.8 + 6.6	103	26	52	15	48	1.96	-2.83	0.61	0	10	18	8	4	Reginald L. Wood.	
Kingston . . . . .	Roane . . . . .	751	51							2.79	-1.75	0.70	0	9	17	2	5	George W. Browder.	
Knoxville . . . . .	Knox . . . . .	988	64	78.2 + 4.2	99	26	61	14	31	5.08	+0.46	1.41	0	12	15	12	3	U. S. Weather Bureau.	
London . . . . .	Loudon . . . . .	816	44	79.6 + 4.4	103	28	59	2	35	3.37	-1.09	0.79	0	10	17	13	0	Virgil Jones.	
McGhee . . . . .	Monroe . . . . .	850	30							2.56	-1.88	0.70	0	11	...	...	...	J. W. Hill.	
Madisonville . . . . .	Monroe . . . . .	900	1	79.1		98	26	57	20	33	6.18		1.43	0	13	...	...	T. A. Frick.	
Newport . . . . .	Cocke . . . . .	1,100	45	75.8 + 2.0	98	28	55	14	33	3.01	-1.22	0.46	0	11	...	...	...	Carl M. Babb.	
New River . . . . .	Scott . . . . .	1,125	27							2.44	-2.44	0.48	0	9	...	...	...	Burl W. Buttrum.	
Parksville <sup>††</sup> . . . . .	Polk . . . . .	840	9							3.97	-1.52	1.00	0	8	...	...	...	Jay Cloud.	
Rugby . . . . .	Hawkins . . . . .	1,150	51	76.0 + 3.8	97	26	52	17	37	3.35	-0.72	0.85	0	13	10	3	17	John Beal.	
Tellico Plains . . . . .	Morgan . . . . .	1,410	47	73.6 + 2.5	96	26	47	14	42	6.87	+1.80	1.70	0	14	7	7	16	Samuel G. Wilson	
McMinnville . . . . .	Monroe . . . . .	1,000	7							5.25	+0.07	1.68	0	11	17	13	0	G. W. Munz.	
Division means and extremes . . . . .				76.0 + 3.7	108	26	39	1	43	4.31	-0.33	2.41	0	12	15	9	6	w.	
<i>Middle Division</i>																			
Ashwood <sup>††</sup> . . . . .	Maury . . . . .	725	62	76.3 + 1.3	95	27	53	13	33	6.00	+1.98	1.60	0	11	11	15	4	Mrs. J. W. Fleming.	
Buffalo Valley . . . . .	Putnam . . . . .	650	7							5.08		2.73	0	10	12	4	14	Tenn. Electric Power Co.	
Carthage . . . . .	Smith . . . . .	540	52	80.0 + 4.8	102	28	58	13	37	6.50	+1.84	2.13	0	9	12	11	7	Charles C. Davis	
Cedar Hill . . . . .	Robertson . . . . .	625	37	79.8 + 3.7	101	27	55	13	35	12.57	+7.67	10.00	0	8	20	9	1	J. F. Ruffin.	
Celina . . . . .	Clay . . . . .	560	32							5.71	+1.36	2.20	0	7	...	...	...	Robert L. Dale.	
Clarksville . . . . .	Montgomery . . . . .	500	75	79.8 + 5.4	99	28	55	13	36	8.00	+3.85	6.80	0	7	10	2	18	Cyrus M. Gibbs.	
Coldwater . . . . .	Lincoln . . . . .	624	39	78.4 + 3.1	102	27	54	14	38	3.35	+0.16	1.50	0	11	12	10	8	D. W. Broadway.	
Cookeville . . . . .	Putnam . . . . .	1,117	20	75.6 + 2.5	96	26	55	13	32	4.82	+0.18	1.82	0	10	17	3	10	J. M. Burke.	
Crossville . . . . .	Cumberland . . . . .	1,820	23	72.7 + 2.4	102	26	49	14	37	6.25	+1.35	1.33	0	11	21	8	1	Ed. F. Wright.	
Dickson . . . . .	Dickson . . . . .	800	42	76.3 + 2.2	100	2	54	13	36	8.70	+4.47	2.60	0	8	19	9	2	Miss Rachel B. Waggoner.	
Dover . . . . .	Stewart . . . . .	492	42	77.0 + 2.1	98	27	51	13	37	4.79	+0.59	1.36	0	11	20	7	3	Dr. R. D. Crutcher.	
Fayetteville . . . . .	Lincoln . . . . .	700	8							3.70	-0.51	0.74	0	9	25	3	2	H. A. Bratten.	
Franklin . . . . .	Williamson . . . . .	738	55	77.6 + 3.1	97	28	54	13	38	3.22	-1.00	2.00	0	9	17	3	10	J. T. Carpenter.	
Hall's Hill <sup>††</sup> . . . . .	Rutherford . . . . .	610	32							6.88	+1.91	3.78	0	10	17	2	8	B. M. Downs.	
Johnsonville . . . . .	Humphreys . . . . .	884	51	78.6 + 3.0	97	2	51	13	34	6.92	+2.64	4.20	0	10	17	2	8	W. J. Davidson.	
Lewisburg . . . . .	Marshall . . . . .	727	41	77.0 + 1.6	96	26	52	14	37	5.71	-1.40	1.80	0	13	16	2	8	Frank H. Kendall.	
Liberty . . . . .	DeKalb . . . . .	672	34							6.17	+1.44	1.90	0	10	17	9	4	E. A. Peacock.	
Lynnhaven (near) . . . . .	Giles . . . . .	744	49	75.2 + 0.4	97	28	55	13	33	6.44	+1.86	1.14	0	13	14	3	8	Samuel D. Woosley.	
McMinnville . . . . .	Warren . . . . .	1,038	54	76.1 + 1.7	96	25	55	14	33	6.89	+2.89	2.15	0	13	15	3	8	U. S. Weather Bureau.	
Division means and extremes . . . . .				77.2 + 2.7	102	26	49	14	38	6.00	+1.67	10.00	0	10	14	10	6	Rev. Geo. B. Kirwan.	
<i>Western Division</i>																			
Bolivar . . . . .	Davidson . . . . .	500	11							4.25	+0.17	1.90	0	12	19	9	2	Section Center.	
Monterey . . . . .	Putnam . . . . .	1,878	2							5.11		1.67	0	6	20	4	4	Mrs. Ross Woods.	
NASHVILLE . . . . .	Davidson . . . . .	654	64	78.9 + 8.8	97	28	60	13	29	5.79	+1.79	3.21	0	11	17	6	4	Tenn. Electric Power Co.	
Palmetto <sup>††</sup> . . . . .	Bedford . . . . .	770	45	76.4 + 1.4	95	27	55	1	37	6.21	+1.83	1.08	0	13	11	4	sw.	University of the South.	
Rock Island . . . . .	Warren . . . . .	700	31							6.91	+1.80	1.80	0	12	15	5	10	Airport Weather Bureau.	
Sewanee . . . . .	Franklin . . . . .	1,960	41	75.8 + 3.6	94	25	60	2	27	7.63	+2.54	2.10	0	9	15	5	10	W. J. Burdison.	
Sky Harbor <sup>††</sup> . . . . .	Rutherford . . . . .	560	53	78.3 + 3.2	100	28	57	13	34	3.34	-0.66	0.92	0	14	8	17	5	J. S. Rutherford.	
Tullahoma . . . . .	Coffee . . . . .	1,075	48							4.58	+0.58	2.00	0	12	...	...	...	G. S. Martin.	
Waynesboro . . . . .	Wayne . . . . .	753	60							3.15		0.85	0	11	18	3	9	Maurice Taylor.	
Worsham <sup>††</sup> . . . . .	Sumner . . . . .	550	33							4.74		1.95	0	8	12	15	3	sw.	
Division means and extremes . . . . .				77.2 + 2.7	102	26	49	14	38	6.00	+1.67	10.00	0	10	14	10	6	sw.	
<i>State means and extremes . . . . .</i>																			
State means and extremes . . . . .				79.6 + 3.4	102	24	52	13	41	5.14	+1.23	4.28	0	8	16	8	6	sw.	

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports have been used in determining section and division means.

<sup>†</sup> Also on other dates. <sup>††</sup> Received too late to be included in means and summaries. <sup>11</sup> Post-office addresses of these stations are as follows: Ashwood, Columbia, Elkmont, Sevierville, R. F. D. No. 15; Sky Harbor, Murfreesboro, R. F. D. No. 2; Hall's Hill, Murfreesboro, R. F. D. No. 5; Palmetto, Lewisburg; Parksville, Benton, R. F. D. No. 1; Worsham, Hendersonville. <sup>\*</sup> Precipitation is less than 0.01 inch rain or melted snow. <sup>\*</sup> Interpolated.

**Daily Precipitation for June, 1934**

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation.

\*\*\* Regular Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight. ||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. †† Precipitation for the 24-hour period, midnight to midnight. T. Trace, or less than 0.01 inch. \* Interpolated.

## Daily Temperatures for June, 1934

Stations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean	
<b>Eastern Division</b>																																	
Chattanooga .....	Maximum.....	91	88	88	83	85	79	86	89	84	83	90	85	85	88	91	95	88	89	87	92	98	94	94	92	99	100	98	97	96	93.....	89.7	
	Minimum.....	68	60	66	66	66	66	67	70	72	67	69	68	63	63	65	73	71	65	63	65	70	72	74	73	73	67	67	67	67.9			
Copperhill     .....	Maximum.....	87	82	77	79	75	81	83	85	81	87	78	81	86	89	92	84	83	82	89	90	92	90	95	95	93	95	92	90	86.4			
	Minimum.....	55	57	62	60	62	64	64	68	65	63	66	66	53	56	58	66	70	67	54	58	60	65	65	65	65	67	66	67	64.....	62.7		
Decatur .....	Maximum.....	91	84	86	83	84	80	90	93	81	90	84	83	88	91	94	90	90	88	94	94	97	97	93	97	100	102	101	99	97.....	91.1		
	Minimum.....	58	59	60	62	65	65	67	66	69	65	65	67	61	56	57	59	69	71	64	56	59	64	65	64	66	67	68	68	70	65.....	63.9	
Elizabethhton .....	Maximum.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Elkmont .....	Maximum.....	82	69	73	79	79	68	84	84	81	76	82	78	78	81	82	86	82	76	84	88	88	86	87	84	90	90	91	90	90.....	82.6		
	Minimum.....	54	60	50	55	55	49	50	63	60	59	58	60	55	50	50	51	60	63	52	70	68	65	64	60	61	60	61	62	59	57.....	57.7	
Erwin .....	Maximum.....	80	70	71	75	75	71	87	87	75	80	81	81	79	80	86	86	83	80	78	87	86	83	82	89	90	89	87	85	81.....	81.6		
	Minimum.....	39	55	57	63	61	63	63	61	66	65	65	65	61	54	50	57	68	64	52	55	58	63	62	62	59	63	64	61	62.....	60.0		
Etowah .....	Maximum.....	92	88	88	83	87	89	94	92	84	92	83	89	90	94	96	89	93	88	78	96	96	97	95	97	101	102	100	97	98.....	91.9		
	Minimum.....	60	64	71	65	75	67	67	64	64	63	58	58	59	59	59	59	70	67	63	66	65	65	66	67	68	68	70	65.....	65.1			
Gatlinburg     .....	Maximum.....	83	86	85	82	79	87	87	88	83	85	88	88	89	90	91	86	88	90	91	94	96	97	96	94	94	98	98	98	98.....	98.2		
	Minimum.....	55	51	57	58	63	60	61	61	60	61	60	59	50	50	50	60	67	62	53	56	61	63	64	63	63	64	64	64	64.....	59.1		
Greeneville (near) .....	Maximum.....	85	82	85	85	84	84	89	90	83	82	86	89	83	87	90	93	90	82	83	91	91	90	91	95	98	95	97	96	95.....	88.5		
	Minimum.....	55	55	58	63	63	65	68	63	63	65	65	62	54	56	58	61	66	61	55	59	61	56	62	65	66	65	64	64.....	61.4			
Kingsport .....	Maximum.....	94	83	89	93	93	88	97	95	88	92	93	87	91	94	95	100	100	84	89	97	97	96	96	99	102	103	102	103.....	95.2			
	Minimum.....	59	56	58	63	60	65	66	62	64	64	66	65	61	62	62	58	59	67	62	56	60	62	66	66	64	64	64	64.....	62.3			
Knoxville .....	Maximum.....	89	85	85	83	83	88	89	86	84	88	89	84	87	90	93	87	86	86	85	82	82	82	82	82	82	82	82	82	82.....	89.6		
	Minimum.....	68	61	62	64	66	66	68	67	60	66	66	63	61	62	64	69	67	66	61	66	72	70	67	72	72	71	71	71	71.....	68.8		
Loudon     .....	Maximum.....	92	88	85	87	91	90	91	91	82	91	97	87	85	88	94	90	90	90	91	96	98	97	101	101	103	98	98	98	98.....	92.7		
	Minimum.....	60	59	61	64	68	68	69	70	67	69	68	63	61	62	64	65	68	60	64	65	68	66	70	71	70	68	68	68.....	66.4			
Newport     .....	Maximum.....	87	84	85	85	85	87	87	83	84	88	82	83	86	86	89	90	92	89	84	89	92	92	96	98	98	96	96	96.....	88.7			
	Minimum.....	55	58	61	62	64	64	64	65	67	65	65	63	55	57	59	62	70	64	58	59	63	66	65	68	67	67	67	67.....	63.0			
Rogersville .....	Maximum.....	87	86	87	86	85	81	90	92	85	84	87	89	83	86	91	93	82	81	84	92	92	90	91	92	97	96	97	96.....	88.8			
	Minimum.....	59	57	57	63	60	65	64	62	65	64	65	66	58	53	55	56	67	61	59	59	62	66	65	67	65	65	65	65.....	61.2			
Rugby .....	Maximum.....	87	87	85	83	82	79	87	87	87	84	85	84	80	84	89	89	92	87	84	81	89	93	92	90	92	96	93	95	94.....	87.7		
	Minimum.....	48	65	57	58	62	63	61	62	66	64	66	62	50	47	47	54	60	65	61	52	64	62	60	60	61	64	64	64	64.....	59.4		
<b>Middle Division</b>																																	
Ashwood .....	Maximum.....	94	90	86	82	78	83	86	88	88	84	87	84	82	83	88	89	92	86	89	87	91	91	92	92	94	94	95	95	94.....	88.4		
	Minimum.....	56	64	63	62	64	67	66	66	65	64	65	53	55	55	60	61	69	66	65	61	66	70	67	69	69	69	69	69	69.....	64.2		
Carthage .....	Maximum.....	99	90	91	88	94	93	94	98	94	88	92	87	88	90	94	98	92	97	94	95	99	98	98	98	98	98	98	98	98.....	93.1		
	Minimum.....	62	64	65	65	67	69	66	69	68	67	69	67	58	60	63	70	69	65	61	64	69	71	71	71	71	71	71	71	71.....	66.8		
Cedar Hill .....	Maximum.....	99	94	96	89	87	87	92	95	95	86	86	86	87	87	91	96	100	89	87	88	93	94	95	96	96	96	96	96	96.....	93.4		
	Minimum.....	65	63	65	60	67	67	65	67	72	66	66	61	55	67	65	69	65	68	67	65	67	72	68	67	73	74	73	73	73.....	66.8		
Clarksville .....	Maximum.....	97	93	94	89	88	90	94	95	96	87	90	98	86	87	90	94	97	98	92	94	94	94	94	95	95	95	95	95	95.....	92.5		
	Minimum.....	61	64	67	69	68	67	63	67	73	67	69	69	55	57	59	64	71	71	66	61	65	69	71	72	72	73	73	73	73.....	67.1		
Coldwater .....	Maximum.....	94	86	89	88	86	88	89	85	88	89	83	88	86	89	90	93	97	87	89	89	93	94	94	94	94	94	94	94	94.....	90.2		
	Minimum.....	56	61	62	65	62	67	67	64	67	66	65	66	59	59	59	62	70	70	65	64	65	66	66	66	66	66	66	66	66.....	64.6		
Cookeville .....	Maximum.....	91	88	84	85	81	89	86	87	82	85	82	79	79	85	91	95	95	85	87	86	87	88	87	86	86	86	86	86	86.....	86.6		
	Minimum.....	59	62	64	64	66	65	67	66	71	66	67	64	55	55	57	60	68	68	62	65	65	68	68	68	68	68	68	68	68.....	64.6		
Crossville .....	Maximum.....	86	79	79	78	77	85	84	81	80	84	83	79	82	85	87	86	86	80	84	87	88	87	86	90	90	91	91	91.....	84.9			
	Minimum.....	54	58	58	60	62	63	61	62	63	61	62	57	51	49	51	55	64	67	63	52	50	63	62	62	62	65	65	65	65.....	60.5		
Dickson .....	Maximum.....	98	100	93	87	86	84	88	88	90	86	89	91	84	86	91	95	87	87	84	89	92	93	94	95	97	97	95	9				